



## BBГ 3x50-6 ГОСТ 16442-80, ТУ У 31.3-00214534-048:2007

Power cables with copper conductors, with PVC-compound insulation, with PVC-compound outer sheath

Cables are used for laying:

- *single laying*
- *in premises, dry ducts and tunnels, in corrosive environment*

Fire safety code in accordance with ДСТУ 4809:2007: ПБ100000000

Products of this mark meet the requirements:

- *single wire cable flame retardance*

### TECHNICAL SPECIFICATIONS

|  |                 |  |
|--|-----------------|--|
| Rated voltage  | kV              | 6  |
| Number and rated area of conductors  | mm <sup>2</sup> | 3 x 50   |
| Phase insulation thickness   | mm              | 3.4  |
| Permissible continuous current rating (AC of industrial frequency) *         |                 |  |
| • <i>by aerial laying</i>  | A               | 167  |
| • <i>by burial</i>   | A               | 187  |
| Maximum permissible conductor temperature                                    |                 |  |
| • <i>Continuous</i>  | °C              | +70  |
| • <i>in emergency operation</i>  | °C              | +90  |
| • <i>at short circuit</i>  | °C              | +160   |
| Operating temperature range  | °C              | -50 ... +50  |
| Minimum bending radius by laying   | mm              | 322.5  |
| Rated outer diameter of the cable (for reference) **                         | mm              | 43   |
| Cable weight (approximate)   | kg/km           | 3050   |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 16a: 520 • 1.8<br># 18: 600 • 2.3<br># 20: 960 • 3.6 |

Notes:

When ordering it is necessary to agree the factory length of the product with the manufacturer

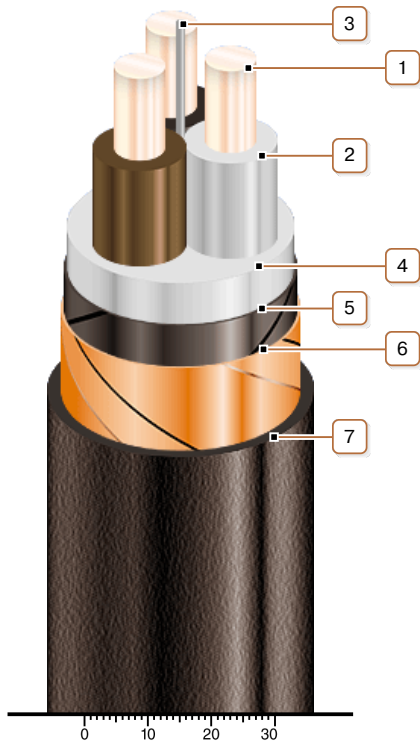
\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m

\*\* The external diameter may differ from the rated up to ± 10 %



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### **CONSTRUCTION**

1. Copper conductor
2. PVC compound insulation
3. PVC compound bundle
4. PVC compound belt insulation
5. Lapping layer of semiconductive paper
6. Copper screen
7. PVC compound outer sheath

*Note: Conductor twisting is not illustrated*